












# PRE-PHYSICAL THERAPY, EMPHASIS (EXERCISE SCIENCE)

The Pre-Physical Therapy area of emphasis is designed for students wishing to apply for professional physical therapy programs. Adding this area of emphasis may require students to take beyond 15 hours per semester or to take summer classes in order to complete their degree program in four years.

## Course Requirements


 - General Education Course


 - Milestone course: a key success marker for your major. See your advisor to discuss the importance of this course in your plan of study.





Code	Title	Credit Hours
Math Requirement for Physics: Select from the Following <sup>1</sup>		5-8
MTH 127  & MTH 122 	College Algebra-Expanded and Plane Trigonometry	
MTH 130  & MTH 122 	College Algebra and Plane Trigonometry	
MTH 132 	Precalculus with Sci Applica	
PHY 201 	College Physics I	3
PHY 202 	General Physics I Laboratory	1
PHY 203 	College Physics II	3
PHY 204 	General Physics 2 Laboratory	1
PSY 311	Child Development	3
PSY 312	Adult Development	3
<b>Total Credit Hours</b>		<b>19-22</b>

















<sup>1</sup> Course selection based on pre-requisites or placement exam.

## Semester Plan

 - General Education Course

 - Milestone course: a key success marker for your major. See your advisor to discuss the importance of this course in your plan of study.

First Year		
First Semester		Credit Hours
HS 200 	Comp Medical Terminology (CT)	3
HS 201	Intro Appl Anat & Physiol	3
ENG 101 	Beginning Composition	3
FYS 100	First Yr Sem Critical Thinking	3
MTH 127  or MTH 130 	College Algebra-Expanded or College Algebra	3-5

UNI 100	Freshman First Class	1
<b>Credit Hours</b>		<b>16-18</b>
<b>Second Semester</b>		
BSC 227	Human Anatomy	3
BSC 227L	Human Anatomy Lab	1
ENG 201 	Advanced Composition	3
PSY 201 	Introductory Psychology (CT)	3
MTH 122 	Plane Trigonometry	3
CHM 211 	Principles of Chemistry I	5
& CHM 217 	and Principles of Chem Lab I <sup>1</sup>	
<b>Credit Hours</b>		<b>18</b>
<b>Second Year</b>		
<b>First Semester</b>		
BSC 228 	Human Physiology	3
BSC 228L 	Human Physiology Lab	1
ESS 215	Intro to Exercise Science	3
HS 222	HLth Prov First Aid/CPR/AED	3
PSY 223 	Elem Behavioral Stat	3
CHM 212 	Principles Chemistry II	5
& CHM 218 	and Principles of Chem Lab II <sup>1</sup>	
<b>Credit Hours</b>		<b>18</b>
<b>Second Semester</b>		
HS 365	Functional Kinesiology	3
HS 365L	Functional Kinesiology Lab	1
HS 410	Organ Admin in Kines	3
BSC 120 	Principles of Biology I	3
BSC 120L 	Principles of Biology I Lab	1
DTS 210	Nutrition	3
CMM 103 	Fund Speech-Communication	3
<b>Credit Hours</b>		<b>17</b>
<b>Third Year</b>		
<b>First Semester</b>		
ESS 345	Exercise Physiology	3
PSY 440	Physiological Psychology	3
BSC 121 	Principles of Biology II	3
BSC 121L 	Prin of Biology II Lab	1
Restricted Elective		3
Humanities Elective		3
<b>Credit Hours</b>		<b>16</b>
<b>Second Semester</b>		
ESS 386	Adult Fitness	3
ESS 478	Energy Sources Body Comp	3
SOC 200 	Understanding Society (CT)	3
Restricted Elective		3
PSY 311	Child Development	3
<b>Credit Hours</b>		<b>15</b>
<b>Fourth Year</b>		
<b>First Semester</b>		
ESS 375	Fitness Assess & Exerc Prescr	3
ESS 442	Princ of Strength & Cond	3
ESS 443	Prin of Strength Cond Lab	1

Restricted Elective		3
PSY 312	Adult Development	3
BSC 120 🏠	Principles of Biology I	4
& BSC 120L 🏠	and Principles of Biology I Lab	
PHY 201 🏠	College Physics I	4
& PHY 202 🏠	and General Physics I Laboratory	
Credit Hours		21
Second Semester		
ESS 491 🏠	Internship Exercise Science	6
HP 240	Intro to Human Diseases in HS	3
Restricted Elective		3
BSC 121 🏠	Principles of Biology II	4
& BSC 121L 🏠	and Prin of Biology II Lab	
PHY 203 🏠	College Physics II	4
& PHY 204 🏠	and General Physics 2 Laboratory	
Credit Hours		20
Total Credit Hours		141-143

<sup>1</sup> May be taken in Summer.